

In the Specification:

Please cancel the Abstract and substitute therefore the following:

ABSTRACT

A model based controller system and method is disclosed. The system and method includes a model including a process step, a controller that generates a control command, a component responsive to the control command, in which the component receives the control command from the controller, and the component sends a component information element to the controller, and a communicative coordination that communicatively coordinates the model with the controller, in which the command is generated in accordance with the process step, and wherein the process step is varied in accordance with the component information element.